

CONFIDENTIAL

ORIGINAL

FORM MUST BE TYPED

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- 033-209190000
County Comanche
S/2-S/2-S/2-SW Sec. 36 Twp. 32S Rge. 19 X W

Operator: License # 3882

330 Feet from S XX (circle one) Line of Section

Name: Samuel Gary Jr. & Associates

1305 Feet from XYW (circle one) Line of Section

Address 1670 Broadway, Ste 3300

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or (SW) (circle one)

Denver, CO 80202

Lease Name Colter Well # 36-13

City/State/Zip Denver, CO 80202

Field Name Colter

Purchaser: N/A

Producing Formation None

Operator Contact Person: Tom Fertal

Elevation: Ground 2048 KB 2061

Phone (303) 831-4673

Total Depth 6178 PBTD 6133

Contractor: Name: Duke Drilling **RELEASED**

Amount of Surface Pipe Set and Cemented at 670 Feet

License: 5929

Multiple Stage Cementing Collar Used? Yes X No

Wellsite Geologist: N/A **APR 09 1999**

If yes, show depth set N/A Feet

Designate Type of Completion
X New Well Re-Entry Workover

If Alternate II completion, cement circulated from _____

Oil SWD SIGW Temp. Abd.
Gas ENHR SIGW
X Dry Other (Core, WSW, Expl., Cathodic, etc)

feet depth to _____ w/ _____ in _____ in. cm.

If Workover:

Drilling Fluid Management Plan ACT (D&A)
(Data must be collected from the Reserve Pit) 6-11-97
D&W

Operator: N/A **FEB 26**

Chloride content _____ ppm Fluid volume _____ bbls

Well Name: CONFIDENTIAL

Dewatering method used _____

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite: _____

Deepening Re-perf. Conv. to Inj/SWD
Plug Back PBTD
Commingled Docket No.
Dual Completion Docket No.
Other (SWD or Inj?) Docket No.

Operator Name Gene Dill

Lease Name Regier SWD License No. 6680

11/07/96 11/16/96 12/18/96
Spud Date Date Reached TD Completion Date

Quarter 17 Twp. 33 S Rng. 27 XX W

County meade Docket No. CD 9824

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature [Signature]

Title President Date 02/26/97

Subscribed and sworn to before me this 26th day of February, 19 97.

Notary Public Judith D. Harmon

Date Commission Expires _____

MY COMMISSION EXPIRES:
January 30, 1999

K.C.C. OFFICE USE ONLY		
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input checked="" type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
<input type="checkbox"/>		<input type="checkbox"/> NGPA
<input type="checkbox"/>		<input type="checkbox"/> Other (Specify)

ORIGINAL

SIDE TWO

Operator Name Samuel Gary Jr. & Associates

Lease Name Colter

Well # 36-13

Sec. 36 Twp. 32S Rge. 19

East

County Comanche

West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

List All E.Logs Run:
Shallow focused elec.log, Micro-Resistivity,
Compensated neutron-Compensated Photo-
Density log, Compensated Sonic log, Cement
Bond log

<input type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Name	Top	Datum
Heebner	4300	-2259
Douglas	4318	-2257
Lansing	4482	-2421
Drum	4710	-2647
Hertha	4822	-2761
Marmaton	5016	-2954
Pawnee	5066	-3005
Mississippi	5204	-3142
Arbuckle	6024	-3963

CASING RECORD

New Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Conductor	30	20		60 ft.	REDIMIX		
Surface	12-1/4	8-5/8	24	670	60-40 POZ	325	2% Gel; 3% CC Y4# Fldseal
Production	7-7/8	5-1/2	15.5	6178	50-50 POZ	100	2% Gel; 10% Salt, 5# Fldseal

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing	6078-6087	CL "H" Neat	117	.5% FL-10
<input type="checkbox"/> Plug Back TD				
<input checked="" type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		Depth
	4	6078-6083 ft., 6083-6086 ft., 6086-6087 ft.	250 Gal 15% NEHcl		
	6038-6046 ft., 6058-6070 ft.	259 Gal 15% NEHcl		6038-6070 ft	
	Cement Retainer @ 6075 ft.				

TUBING RECORD	Size	Set At	Packer At	Liner Run
N/A				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj.	Producing Method
N/A	N/A <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas N/A Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	N/A		600		

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

Vented Sold Used on Lease (If vented, submit ACO-18.)

Open Hole Perf. Dually Comp. Commingled

N/A Other (Specify) dry hole

Date 11-7-96 District Med. Lodge Ticket No. 6204
 Company Samuel Gandy Rig _____
 Lease Colter 36-13 Well No. _____
 County Cornache State KS.
 Location Goldwater 55-10 Field _____
IN-LOC

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 9 5/8" Type _____ Weight 24 Collar _____

Casing Depths: Top 675 Bottom _____

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 12 1/4" T.D. 1278 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. .0637 Lin. ft./Bbl. 15.6987
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
 Spacer Type: Fresh H2O
 Amt. 5 BBL Skys Yield _____ ft³/sk Density 8.34 PPG

LEAD: Pump Time _____ hrs. Type 225 sk 60/40
2+3 1/4" Flow seal Excess _____
 Amt. 225 Skys Yield 1.97 ft³/sk Density 12.5 PPG

TAIL: Pump Time _____ hrs. Type Class A
2+3 Excess _____
 Amt. 100 Skys Yield 1.34 ft³/sk Density 15.2 PPG

WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Pump Trucks Used 233-302 Justin Hart
 Bulk Equip. 257-251 Shane W.

Floater Equip: Manufacturer BAKER
 Shoe: Type _____ Depth _____
 Floater Type _____ Depth _____
 Centralizers: Quantity 2 Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. 2-Baskets 1-Baffle Plug
 Disp. Fluid Type Fresh H2O Amt. 40.64 Bbls. Weight 8.34 PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE Harvey Moore Duke #7 CEMENTER Allen Drake

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
9:00						On Loc
1:00						
1:40						Hook up + Circ
1:25						Start Mixing Cement
2:15						Displace HC.G.H BBL. Plus Down + Pumped Baffle
						FEB 26
						CONFIDENTIAL Cement did Circulate
						Circulate HC BBL. Cement.
						Thank You

RELEASED

APR 09 1999

FROM CONFIDENTIAL



CONFIDENTIAL CEMENTING LOG

STAGE NO. ORIGINAL

Date 11-20-96 District Med. Lodge Ticket No. 6211
 Company Sam Gary Jr. Rig Duke #7
 Lease Colter Well No. 36-13
 County Comanche State Ks.
 Location Coldwater 65-W-34N Field _____
F-Loc

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 5 1/2 Type _____ Weight _____ Collar _____

Casing Depths: Top 6.1 Bottom 6178
FEB 26

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 7 7/8 T.D. 6178 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 10238 Lin. ft./Bbl. 42.0168
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. 10308 Lin. ft./Bbl. 32.4675
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

COMPANY REPRESENTATIVE David Rice

CEMENT DATA:
 Spacer Type: Mud Clean
 Amt. _____ Skys Yield _____ ft³/sk Density 8.34 PPG
500 gal

LEAD: Pump Time _____ hrs. Type Class H-50/sc
28 gal - 102 set - 5 1/2" x 1/2" Rel. rel - 58 FLG² Excess _____
 Amt. 100 SK Skys Yield 1.51 ft³/sk Density 13.8 PPG
 TAIL: Pump Time _____ hrs. Type 60/40 6.6 gal Excess _____

Amt. 255x Skys Yield 1.58 ft³/sk Density 13.8 PPG
 WATER: Lead 500 - Flush gals/sk Tail 6.6 gals/sk Total 6.6 Bbls.

Pump Trucks Used Justin H
 Bulk Equip. 242 James H

Float Equip: Manufacturer Baker
 Shoe: Type Guide shoe Depth 6178
 Float: Type model D - Circulation F/C Depth 6139
 Centralizers: Quantity 18 Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. Port Collar @ 5433 5H (18 up)
 Disp. Fluid Type 28 KCL - Fresh H2O Amt. 146 Bbls. Weight 8.34 PPG
 Mud Type _____ Weight _____ PPG

CEMENTER Allen Drake

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
8:00						On Loc & Rig UP
11:00						START Pipe In Hole
2:00						Hook up to Circulation
3:00			11.9	11.9	6.0	Plug Pump Pipe Flush
3:10			16.1	4.2		Plug Ret hole 60/40 60
			18.9	2.8		Plug mouse hole 60/40 60
			45.7	26.9		Start cement class "H"
			52.7	7.0		Wash up - clean pumps
			172.7	120	6.0	START Displacement w/ 28 KCL
			192.7	20	4.0	Lost Circulation & F/28 KCL + Came
3:30			198.7	6	2.0	Back.
						Land Plug - 700 PSI Land
						TO 1200 PSI Release
						Float & Held
						RELEASED
						APR 09 1999
						FROM CONFIDENTIAL

ALLIED CEMENTING CO., INC. 6204

REMIT TO: P.O. BOX 31
RUSSELL, KANSAS 67665

CONFIDENTIAL

ORIGINAL

SERVICE POINT: Med Lodge Ks

DATE <u>11-7-96</u>	SEC. <u>36</u> TWP. <u>32</u>	RANGE <u>19</u>	CALLED OUT <u>6:30</u>	ON LOCATION <u>9:00pm</u>	JOB START <u>1:00 AM</u>	JOB FINISH <u>2:15 AM</u>
LEASE <u>Colter</u>	WELL# <u>36-13</u>	LOCATION <u>Caldwater SS-1W-1N-E-1/4 Comanche</u>	COUNTY <u>Comanche</u>	STATE <u>Ks</u>		

OLD OR NEW (Circle one)

CONTRACTOR Duke #7

TYPE OF JOB Surface Casings

HOLE SIZE 12 1/4 T.D. 675'

CASING SIZE 8 5/8 DEPTH 674'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT 37.27

CEMENT LEFT IN CSG. 40.64 BBL 37.27

PERFS. _____

OWNER _____

CEMENT

AMOUNT ORDERED 225 6 3/4 28 gel-28

C.C. 4 5/8 1100 SX Class A 28 gel

28 CC

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE RELEASED @ _____

APR 09 1999 @ _____

FROM CONFIDENTIAL @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

NEW TOTAL _____

FEB 26 _____

EQUIPMENT

PUMP TRUCK CEMENTER Allen Drake

233-302 HELPER Justin Hart

BULK TRUCK

257-251 DRIVER Shane W.

BULK TRUCK

_____ DRIVER _____

REMARKS:

Mixed 5881 Fresh H2O-225 st Cement

100 SX Cem-Displace w/ 40.64 BBL

Cement Did Circ.

CONFIDENTIAL SERVICE

DEPTH OF JOB 675'

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

PLUG TIP 8 5/8 Rubber @ _____

TOTAL _____

CHARGE TO: Samuel Gary

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

1- Battal Plate 8 5/8 @ _____

2-Cem. 8 5/8 @ _____

2-Baskets 8 5/8 @ _____

TOTAL _____

To Allied Cementing Co., Inc.

You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE [Signature]

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

ALLIED CEMENTING CO., INC.

APR 08 1991 6211

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

CONFIDENTIAL

ORIGINAL

FROM CONFIDENTIAL SERVICE POINT

Med Lodge

DATE <u>11-20-96</u>	SEC <u>36</u>	TWP. <u>32S</u>	RANGE <u>19W</u>	CALLED OUT <u>5:45</u>	ON LOCATION <u>8:00pm</u>	JOB START <u>2:00am</u>	JOB FINISH <u>3:30am</u>
LEASE <u>Colter</u>	WELL # <u>36-13</u>	LOCATION <u>Caldwell 65-11W-34N-E Loc</u>			COUNTY <u>Comanche</u>	STATE <u>Ks</u>	

OLD OR NEW (Circle one)

CONTRACTOR <u>Duke #17</u>	OWNER
TYPE OF JOB <u>Production Casings</u>	CEMENT
HOLE SIZE <u>7 1/8</u>	T.D. <u>6178</u>
CASING SIZE <u>5 1/2</u>	DEPTH <u>6178</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL - <u>Port Callor # 543</u>	DEPTH <u>5433</u>
PRES. MAX	MINIMUM
MEAS. LINE <u>NO</u>	SHOE JOINT <u>41.99</u>
CEMENT LEFT IN CSG. <u>41.99</u>	
PERFS.	

AMOUNT ORDERED <u>100sx class H - 5 1/2" - 22 gal</u>	
<u>108 Salt - 5# per sx Kal Seal - 5.2 FL-62</u>	
<u>25 sx 6940 - 62 gal - 500 gal mud clean</u>	
<u>7 gal - KCL</u>	
COMMON - # <u>15sx @ 6.10</u>	<u>91.50</u>
POZMIX <u>60sx @ 3.15</u>	<u>189.00</u>
GEL <u>3sx @ 9.50</u>	<u>28.50</u>
CHLORIDE <u>7 1/2 gal @ 22.90</u>	<u>171.75</u>
<u>Class H 50 sx @ 7.55</u>	<u>377.50</u>
<u>Salt 14 sx @ 7.00</u>	<u>98.00</u>
<u>Kal Seal 500# @ .38</u>	<u>190.00</u>
<u>FL-62 44# @ 8.70</u>	<u>382.80</u>
<u>Mud Clean 500 gal @ .75</u>	<u>375.00</u>
HANDLING <u>142 @ 1.05</u>	<u>149.10</u>
MILEAGE <u>49 x 125 x .04</u>	<u>245.00</u>

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Allen Drake</u>
#	HELPER <u>Justin</u>
BULK TRUCK	
# <u>242</u>	DRIVER <u>James</u>
BULK TRUCK	
#	DRIVER

NOV

TOTAL 2298.15

FEB 2 6

REMARKS:

CONFIDENTIAL SERVICE

DEPTH OF JOB <u>6178'</u>	
PUMP TRUCK CHARGE	<u>1394.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>49</u>	@ <u>2.85</u> <u>139.65</u>
PLUG <u>5 1/2 Rubber-1</u>	@ <u>59.00</u> <u>59.00</u>

	@	
	@	
	@	
	@	

TOTAL 1592.65

CHARGE TO: Sam Gary Jr. + Associate
 STREET _____
 CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

<u>1-5 1/2 Guide Shoe E</u>	@ <u>168.00</u>	<u>168.00</u>
<u>1-5 1/2 Port Callor</u>	@ <u>2340.00</u>	<u>2340.00</u>
<u>1-5 1/2 AFU Float Callor</u>	@ <u>298.00</u>	<u>298.00</u>
<u>18-5 1/2 Centralizers</u>	@ <u>56.00</u>	<u>1008.00</u>
<u>2-5 1/2 Stop Rings</u>	@ <u>20.00</u>	<u>40.00</u>
<u>1- Can Thread Lok</u>	<u>30.00</u>	<u>30.00</u>
TOTAL		<u>3884.00</u>

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____
 TOTAL CHARGE 7774.80
 DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Daniel E Rice

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

APR 09 1999

CONFIDENTIAL

Test Ticket

ORIGINAL FROM CONFIDENTIAL No. 9468

Well Name & No. COLTAR # 36-13 Test No. 1 Date 11-17-96
 Company SAMUEL GARY JR. & ASSOC. Zone Tested ARBUCKLE
 Address 1670 BROADWAY SUITE 3300 / DENVER CO. 80202 Elevation 2063 KB 2050 GL
 Co. Rep / Geo. DAVID RICE Cont. DUKE DRUG # 7 Est. Ft. of Pay 5 Por. 9 %
 Location: Sec. 36 Twp. 32^S Rge. 19^W Co. COMANCHE State Ks.
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 6041 - 6060' Initial Str Wt./Lbs. 82,000 Unseated Str Wt./Lbs. 83,000
 Anchor Length 19' Wt. Set Lbs. 22,000 Wt. Pulled Loose/Lbs. 110,000
 Top Packer Depth 6036' Tool Weight 2,100
 Bottom Packer Depth 6041' Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 6060' Wt. Pipe Run NONE Drill Collar Run 248
 Mud Wt. 9.3 LCM 5[#] Vis. SI WL 8.8 cc. Drill Pipe Size 4 1/2" x 4. Ft. Run 5767'

Blow Description IF: Strong below. Btm. of bucket in 8 mins.
ISI: Fair to strong below. 1-9" in H₂O
FF: Strong below. Btm. of bucket in 5 sec. Approx 17" in H₂O
FSI: Weak to fair below 1-6" in H₂O

Recovery — Total Feet	Fluid GIP	Ft. in DC	Ft. in DP	
<u>80'</u>	<u>186' FLUID GIP 3,350'</u>	<u>186</u>	<u>—</u>	
Rec. <u>80'</u> Feet Of <u>Clean gassy oil</u>	%gas	%oil	%water	%mud
Rec. <u>106'</u> Feet Of <u>G.O.C.M.</u>	<u>20</u> %gas	<u>20</u> %oil	<u>60</u> %water	<u>—</u> %mud
Rec. _____ Feet Of _____	%gas	%oil	%water	%mud
Rec. _____ Feet Of <u>FEB 26</u>	%gas	%oil	%water	%mud
Rec. _____ Feet Of _____	%gas	%oil	%water	%mud

BHT 134 °F Gravity 44 °API @ 63 °F Corrected Gravity 44 °API

RW N/A @ — °F Chlorides 5,000 ppm Recovery Chlorides 5,000 ppm System

(A) Initial Hydrostatic Mud	PSI	Recorder No.	T-Started
<u>2984</u>	<u>2998</u>	<u>13788</u>	<u>1337</u>
(B) First Initial Flow Pressure	PSI	(depth)	T-Open
<u>21</u>	<u>20</u>	<u>6057'</u>	<u>1603</u>
(C) First Final Flow Pressure	PSI	Recorder No.	T-Pulled
<u>21</u>	<u>39</u>	<u>3024</u>	<u>2349</u>
(D) Initial Shut-in Pressure	PSI	(depth)	T-Out
<u>1041</u>	<u>1048</u>	<u>6046'</u>	<u>0250</u>
(E) Second Initial Flow Pressure	PSI	Recorder No.	
<u>26</u>	<u>27</u>	<u>—</u>	
(F) Second Final Flow Pressure	PSI	(depth)	
<u>58</u>	<u>62</u>	<u>—</u>	
(G) Final Shut-in Pressure	PSI	Initial Opening	Test
<u>935</u>	<u>940</u>	<u>10</u>	<input checked="" type="checkbox"/> <u>800</u>
(H) Final Hydrostatic Mud	PSI	Initial Shut-in	Jars
<u>2946</u>	<u>2963</u>	<u>90</u>	<input checked="" type="checkbox"/> <u>200</u>
		Final Flow	Safety Joint
		<u>125</u>	<input checked="" type="checkbox"/> <u>50</u>
		Final Shut-in	Straddle
		<u>240</u>	
			Circ. Sub
			Sampler
			<input checked="" type="checkbox"/> <u>200</u>
			Extra Packer
			Elect. Rec.
			<input checked="" type="checkbox"/> <u>150</u>
			Other
			TOTAL PRICE \$ <u>1400.00</u>

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By David Rice
 Our Representative Gary Tworzy

APR 09 1999

TRILOBITE TESTING L.L.C.
P.O. Box 362 - Hays, Kansas 67601

FROM CONFIDENTIAL
ORIGINAL

FLUID SAMPLER DATA

CONFIDENTIAL

Ticket No. 9468 Date 11-17-96
 Company Name SAMUEL GARY JR. & ASSOC.
 Lease COLTAR # 36-13 Test No. 1
 County COMANCHE KS. Sec. 36 Twp. 32^s Rng. 19^w

SAMPLER RECOVERY

PIT MUD ANALYSIS

Gas 1.4 cubic Ft. ~~ML~~
 Oil 2,050 ML
 Mud Trace ML
 Water None ML
 Other --- ML
 Pressure 240 PSI
 Total 2,050 ML

Chlorides 5,000 ppm.
 Resistivity 2.11 ohms @ 59 F
 Viscosity 51
 Mud Weight 9.3 ~~ML~~
 Filtrate 8.8 cc. FEB 26
 Other L.C.M. 5# / 3L CONFIDENTIAL

SAMPLER ANALYSIS

PIPE RECOVERY

Resistivity N/C ohms @ --- F
 Chlorides N/A ppm.
 Gravity 44 corrected @ 60 F

TOP 3,350' Gas in Pipe
 Resistivity --- ohms @ --- F
 Chlorides --- ppm.
 MIDDLE 80' Clean Glossy Oil
 Resistivity N/C ohms @ --- F
 Chlorides N/A ppm.
 BOTTOM 106' G.O.C.M.
 Resistivity N/C ohms @ --- F
 Chlorides N/A ppm.

DER

ORIGINAL

RELEASED

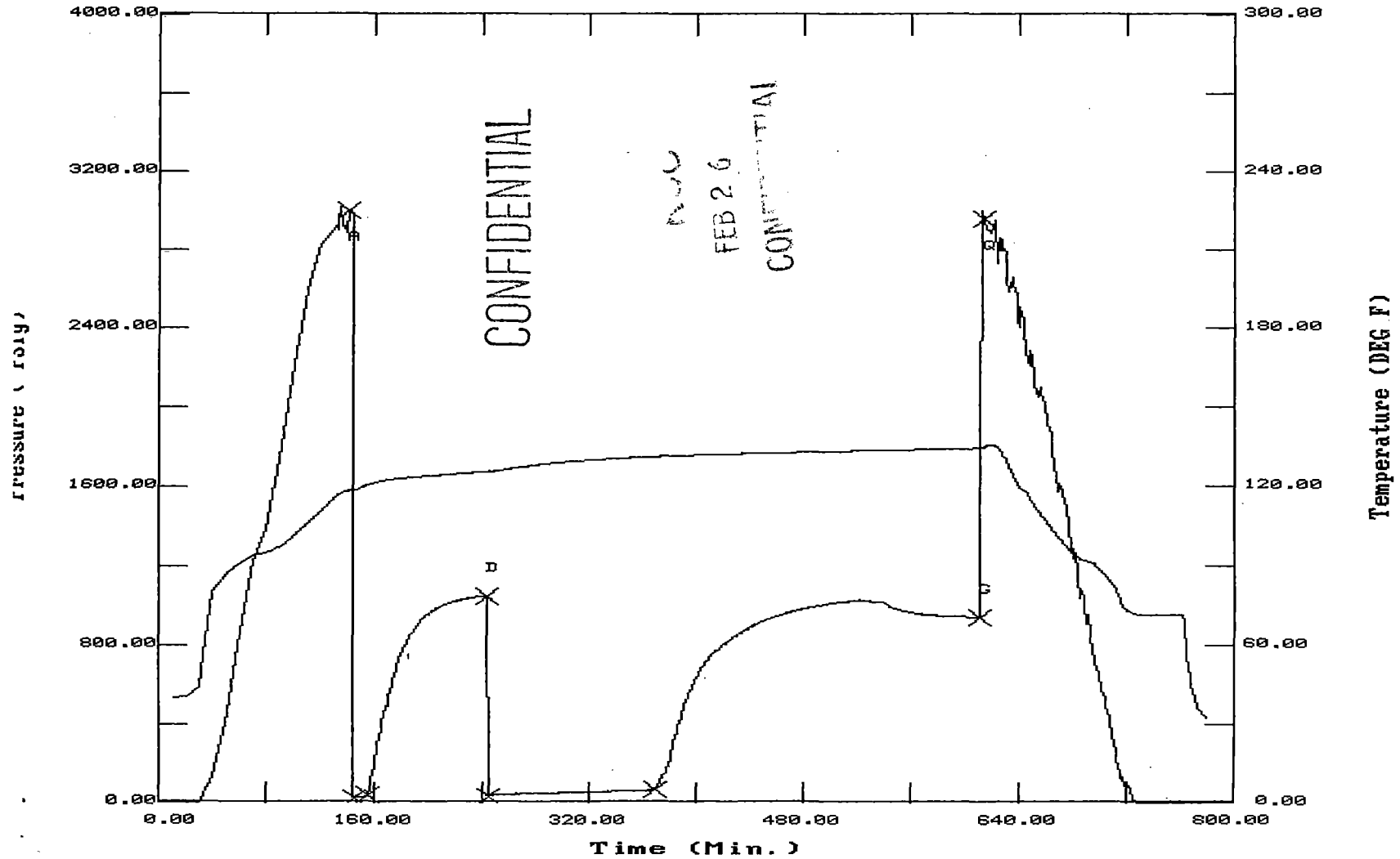
APR 09 1939

FROM CONFIDENTIAL

TEST HISTORY

1468 DST#1 COLTER #36-13 SAMUEL GARY JR. & ASSOC.

	t (Min.)	Flag Points PK PSIG
R:	0.00	2998.50
B:	0.00	19.75
C:	10.00	39.08
D:	88.00	1048.11
E:	0.00	27.02
F:	126.00	61.51
G:	241.00	939.96
Q:	0.00	2963.39



FROM CONFIDENTIAL

APR 09 1939

RELEASED

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

Test Ticket

CONFIDENTIAL No. 9469

Well Name & No. COLTER II 36-13 Test No. 2 Date 11-19-96
 Company SAMUEL GARY JR. & ASSOC. Zone Tested ARBUCKLE
 Address 1670 BROADWAY SUITE 3300/DENVER CO. 80202 Elevation 2063 KB 2050 GL
 Co. Rep / Geo. DAVID RICE Cont. DUKE DRUG #7 Est. Ft. of Pay 15 Por. 9 %
 Location: Sec. 36 Twp. 32S Rge. 19W Co. COMANCHE State KS
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 6054 - 6094 Initial Str Wt./Lbs. 42,000 Unseated Str Wt./Lbs. 42,000
 Anchor Length 40 Wt. Set Lbs. 33,000 Wt. Pulled Loose/Lbs. 80,000
 Top Packer Depth 6049 & 6054 Tool Weight 2,100
 Bottom Packer Depth 6094 Hole Size — 7 7/8" L Rubber Size — 6 3/4" L
 Total Depth 6178 Wt. Pipe Run None Drill Collar Run 186
 Mud Wt. 9.3 LCM 6# Vis. 64 WL 19.0 Drill Pipe Size 4 1/2" X.F. Ft. Run _____
 Blow Description Comments: Hit Bridge @ 1200 ft. Worked pipe & set jars several times; to no avail! Mission!

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
Rec. _____	Feet Of _____	_____	_____	_____	_____	_____	_____
Rec. _____	Feet Of _____	_____	_____	_____	_____	_____	_____
Rec. _____	Feet Of _____	FEB 26	_____	_____	_____	_____	_____
Rec. _____	Feet Of _____	CONFIDENTIAL	_____	_____	_____	_____	_____
Rec. _____	Feet Of _____	_____	_____	_____	_____	_____	_____

BHT _____ °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 15,000 ppm System
 (A) Initial Hydrostatic Mud _____ PSI Recorder No. 3024 T-Started 1040
 (B) First Initial Flow Pressure _____ PSI (depth) 6062' T-Open 1045
 (C) First Final Flow Pressure _____ PSI Recorder No. 13789 T-Pulled _____
 (D) Initial Shut-in Pressure _____ PSI (depth) 6086' T-Out 1445
 (E) Second Initial Flow Pressure _____ PSI Recorder No. 13788
 (F) Second Final Flow Pressure _____ PSI (depth) 6175'
 (G) Final Shut-in Pressure _____ PSI Initial Opening _____ Test Mission ✓ 600⁰⁰
 (H) Final Hydrostatic Mud _____ PSI Initial Shut-in _____ Jars ✓ 200⁰⁰

Final Flow _____ Safety Joint ✓ No Charge
 Final Shut-in _____ Straddle ✓ 250⁰⁰
 Circ. Sub _____
 Sampler ✓ No Charge
 Extra Packer ✓ No Charge
 Elect. Rec. ✓ No Charge
 Other _____
 TOTAL PRICE \$ ✓ 1050⁰⁰

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By David E Rice
 Our Representative Gary Twolan
 FROM CONFIDENTIAL

RELEASED
 APR 09 1999

TRILOBITE TESTING L.L.C.

APR 09 1999

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL CONFIDENTIAL

CONFIDENTIAL Test Ticket

No 9470

Well Name & No. COLTER # 36-13 Test No. 3 Date 11-19-96
 Company SAMUEL GARY JR. & ASSOC. Zone Tested AIRBUCKLE
 Address DENVER CO. 80202 Elevation 2063 KB 2050GL
 Co. Rep / Geo. DAVID RICE Cont. Duke Drilling #7 Est. Ft. of Pay 15 Por. 9 %
 Location: Sec. 36 Twp. 32S Rge. 19W Co. COMANCHE State KS
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 6050 - 6094' Initial Str Wt./Lbs. 42,000 Unseated Str Wt./Lbs. 42,000
 Anchor Length 44' Wt. Set Lbs. 32,000 Wt. Pulled Loose/Lbs. 90,000
 Top Packer Depth 6045 & 6050' Tool Weight 2,100 #
 Bottom Packer Depth 6094' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
 Total Depth 6178' Wt. Pipe Run None Drill Collar Run 186'
 Mud Wt. 9.3 LCM 5# Vis. 10 WL 32.0 Drill Pipe Size 4 1/2" X 14-Ft. Run ✓
 Blow Description COMMENT: Hit Bridge @ 1200 ft. Worked pipe & set jars several times. Nearly got stuck. Could not get deeper than 1200 ft. Missrun.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. _____ Feet Of _____	_____	_____	_____
Rec. _____ Feet Of _____	_____	_____	_____
Rec. _____ Feet Of _____	_____	_____	_____
Rec. _____ Feet Of _____	_____	_____	_____
Rec. _____ Feet Of _____	_____	_____	_____

BHT _____ °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 18,000 ppm System

(A) Initial Hydrostatic Mud _____ PSI Recorder No. 3024 T-Started 2201
 (B) First Initial Flow Pressure _____ PSI (depth) 6066' T-Open _____
 (C) First Final Flow Pressure _____ PSI Recorder No. 13789 T-Pulled _____
 (D) Initial Shut-in Pressure _____ PSI (depth) 6086' T-Out 0210
 (E) Second Initial Flow Pressure _____ PSI Recorder No. 13788
 (F) Second Final Flow Pressure _____ PSI (depth) 6175'
 (G) Final Shut-in Pressure _____ PSI Initial Opening _____ Test Missrun 600⁰⁰
 (H) Final Hydrostatic Mud _____ PSI Initial Shut-in _____ Jars 200⁰⁰
 Final Flow _____ Safety Joint ✓ No charge
 Final Shut-in _____ Straddle ✓ 250⁰⁰

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By David Rice

Circ. Sub _____
 Sampler ✓ No charge
 Extra Packer ✓ No charge
 Elect. Rec. ✓ No charge
 Other _____
 TOTAL PRICE 1000⁰⁰